AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

Listing of Claims

1. (Currently Amended) A computer readable medium storing an executable data structure for managing multiple component data recorded on the computer readable medium, comprising:

a data area having ~~at least one~~ a first clip file ~~of main component data~~ including data packets of a first data stream and ~~at least one~~ a second clip file ~~of auxiliary component data~~ including data packets of a second data stream, the first clip file ~~of main component data~~ and the second clip file ~~of auxiliary component data~~ being separate clip files, each of the clip files having ~~at least one~~ plurality of entry points, each of the clip files being associated with a different reproduction path, each of the clip files being divided into a plurality of data units with boundaries between the data units indicating where jumping to a different clip file is permitted; and

a management area ~~separate from the data area~~, the management area storing an entry point map identifying ~~the at least one~~ the plurality of entry points of an associated clip file, the entry point map including a plurality of flags, each flag being associated with one of the plurality of entry points and indentifying whether jumping to another clip file is permitted in relation to the one entry point and mapping presentation start time information to ~~address information~~ a data packet number for the associated clip file.

2. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ second data stream includes audio data.

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3. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ <u>second data stream</u> includes subtitle data.

4. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ <u>second data stream</u> includes enhanced data.

5. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ <u>second data stream</u> includes Java data.

6. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ <u>second data stream</u> includes html data.

7. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ <u>second data stream</u> includes xml data.

8. (Currently Amended) The computer readable medium of claim 1, wherein the ~~auxiliary component data~~ <u>second data stream</u> includes CGI data.

9. (Cancelled)

10. (Currently Amended) The computer readable medium of claim [[9]] <u>1</u>, wherein each data unit includes ~~the~~ at least one <u>of the plurality of</u> entry point<u>s</u>.

11. (Currently Amended) The computer readable medium of claim 10, wherein each data unit in a <u>same</u> clip file has a same number of entry points.

12. (Previously Presented) The computer readable medium of claim 10, wherein at least two data units in a same clip file have different numbers of entry points.

13. (Cancelled)

14. (Currently Amended) The computer readable medium of claim 1 ~~13~~, wherein ~~the at least one~~ each of the entry points define[[s]] one of the data units in the associated clip file.

15. (Currently Amended) The computer readable medium of claim 1 ~~13~~, wherein an active flag indicates that jumping is permitted after reproducing the ~~at least one~~ entry point ~~having~~ with which the active flag is associated.

16. (Currently Amended) The computer readable medium of claim 1 ~~13~~, wherein an active flag indicates that jumping is permitted at the ~~at least one~~ entry point ~~having~~ with which the active flag is associated.

17. (Currently Amended) The computer readable medium of claim 1, wherein the data area has more than one second clip file of ~~auxiliary component data~~ the second data stream.

18. (Currently Amended) The computer readable medium of claim 17, wherein at least one of the second clip files of ~~auxiliary component data~~ the second data stream includes enhanced data.

19-22.   (Cancelled)

23. (Currently Amended) A method of recording a data structure for managing reproduction of multiple component data on a computer readable medium, the method comprising:

recording ~~at least one~~ a first clip file ~~of main component data~~ including data packets of a first data stream and ~~at least one~~ a second clip file ~~of auxiliary component data~~ including data packets of a second data stream on a data area separate from a management area, the first clip file ~~of main component data~~ and the second clip file ~~of auxiliary component data~~ being separate clip files, each of the clip files having ~~at least one~~ a plurality of entry points, each of the clip files being associated with a different reproduction path, each of the clip files being divided into a plurality of data units with boundaries between the data units indicating where jumping to a different clip file is permitted; and

recording an entry point map in the management area, ~~the~~ an entry point map identifying ~~the at least one~~ the plurality of entry points of an associated clip file, the entry point map including a plurality of flags, each flag being associated with one of the plurality of entry points and indentifying whether jumping to another clip file is permitted in relation to the one entry point and mapping presentation start time information to ~~address information~~ a data packet number for the associated clip file.

24. (Currently Amended) A method of reproducing a data structure for managing reproduction of multiple component data recorded on a computer readable medium, the method comprising:

reproducing ~~at least one~~ a first clip file ~~of main component data~~ including data packets of a first data stream and ~~at least one~~ a second clip file ~~of auxiliary component data~~ including data packets of a second data stream from a data area separate from a management area, the first clip file ~~of main component data~~ and the second clip file ~~of auxiliary component data~~ being separate clip files, each of the clip files having ~~at least one~~ a plurality of entry points, each of the clip files being associated with a different reproduction path, each of the clip files being divided into a plurality of data units with boundaries between the data units indicating where jumping to a different clip file is permitted; and

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reproducing an entry point map from the management area, the entry point map identifying ~~the at least one~~ the plurality of entry points of an associated clip file, the entry point map including a plurality of flags, each flag being associated with one of the plurality of entry points and indentifying whether jumping to another clip file is permitted in relation to the one entry point and mapping presentation start time information to ~~address information~~ a data packet number for the associated clip file.

25. (Currently Amended) An apparatus for recording a data structure for managing reproduction of multiple component data on a computer readable medium, comprising:

an optical recording device configured to record data on the computer readable medium;

a controller operably coupled to the optical recording device, the controller configured to control the optical recording device to record ~~at least one~~ a first clip file ~~of main component data~~ including data packets of a first data stream and ~~at least one~~ a second clip file ~~of auxiliary component data~~ including data packets of a second data stream on a data area separate from a management area, the first clip file ~~of main component data~~ and the second clip file ~~of auxiliary component data~~ being separate clip files, each of the clip files having ~~at least one~~ a plurality of entry points, each of the clip files being associated with a different reproduction path, each of the clip files being divided into a plurality of data units with boundaries between the data units indicating where jumping to a different clip file is permitted, and the controller further configured to control the optical recording device to record an entry point map identifying ~~the at least one~~ the plurality of entry points of an associated clip file, the entry point map including a plurality of flags, each flag being associated with one of the plurality of entry points and indentifying whether jumping to another clip file is permitted in relation to the one entry point and mapping presentation start time information to ~~address information~~ a data packet number for the associated clip file.

26. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of multiple component data recorded on a computer readable medium, comprising:

an optical reproducing device configured to reproduce data recorded on the computer readable medium;

a controller, operably coupled to the optical reproducing device, configured to control the optical reproducing device to reproduce ~~at least one~~ a first clip file ~~of main component data~~ including data packets of a first data stream and ~~at least one~~ a second clip file ~~of auxiliary component data~~ including data packets of a second data stream from a data area separate from a management area, the first clip file ~~of main component data~~ and the second clip file ~~of auxiliary component data~~ being separate clip files, each of the clip files having ~~at least one~~ a plurality of entry points, each of the clip files being associated with a different reproduction path, each of the clip files being divided into a plurality of data units with boundaries between the data units indicating where jumping to a different clip file is permitted, and the controller further configured to control the optical reproducing device to reproduce an entry point map in the management area, the entry point map identifying ~~the at least one~~ the plurality of entry points of an associated clip file, the entry point map including a plurality of flags, each flag being associated with one of the plurality of entry points and indentifying whether jumping to another clip file is permitted in relation to the one entry point and mapping presentation start time information to ~~address information~~ a data packet number for the associated clip file.

27. (Currently Amended) The computer readable medium of claim 1, wherein the first clip file ~~of main component data~~ and the second clip file ~~of auxiliary component data~~ are non-interleaved.

28. (Cancelled)

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29. (Currently Amended) The method of claim 23 ~~28~~, wherein an active flag indicates that jumping is permitted after reproducing the ~~at least one~~ entry point ~~having~~ with which the active flag is associated.

30. (Cancelled)

31. (Currently Amended) The method of claim 23 ~~28~~, wherein ~~the at least one~~ each of the entry points define[[s]] one of the data units in the associated clip file.

32. (Currently Amended) The method of claim 23 ~~28~~, wherein an active flag indicates that jumping is permitted after reproducing the ~~at least one~~ entry point ~~having~~ with which the active flag is associated.

33. (Currently Amended) The method of claim 23, wherein the first clip file ~~of main component data~~ and the second clip file ~~of auxiliary component data~~ are non-interleaved.

34. (Cancelled)

35. (Currently Amended) The method of claim 24 ~~34~~, wherein an active flag indicates that jumping is permitted after reproducing the ~~at least one~~ entry point ~~having~~ with which the active flag is associated.

36. (Cancelled)

37. (Currently Amended) The method of claim 24 ~~34~~, wherein each of the entry points define[[s]] one of the data units in the associated clip file.

38. (Currently Amended) The method of claim 24, wherein the first clip file of main component data and the second clip file of auxiliary component data are non-interleaved.

39-40. (Cancelled)

41. (Currently Amended) The apparatus of claim 25, wherein the controller is configured to control the optical recording device to record at least one entry point having an associated flag permitting a jump, the at least one each of the entry points define[[s]] one of the data units in the associated clip file.

42. (Currently Amended) The apparatus of claim 25, wherein the first clip file of main component data and the second clip file of auxiliary component data are non-interleaved on the computer readable medium.

43-44. (Cancelled)

45. (Currently Amended) The apparatus of claim 26, wherein the controller is configured to control the optical reproducing device to reproduce at least one entry point having an associated flag permitting a jump, the at least one each of the entry points define[[s]] one of the data units in the associated clip file.

46. (Currently Amended) The apparatus of claim 26, wherein the first clip file of main component data and the second clip file of auxiliary component data are non-interleaved on the computer readable medium.

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